FIGURE 1

1 (GAATTCAAGA (CCAGCCTGGA (CAACTTGGAA (GAACCCGGTC 1	CTACAAAAA	ATACAAAATT
61	AGCTGGGATT	GGGTGCGGTG	GCTCATGCCT	: ATAATCCCAG	CACTTTGGG	GCCTGAGGTG
121	GGTGGATCAC	CTGAAGTCAG	GAGTTCAAGA	A CTAGCCTGGC	CAACATGGTG	AAACCCTATC
181	TCTACTGAAA	ATACAAAAA	CTAGACGTGC	G TGGCACACAC	CTGTAATCCC	AGCTACTTAG
241	GAGGCTGAGG	CAGGAGAATI	' GCTTGAAGCC	TAGAGGTGAA	GGTTGTAGT	AGCCGAGATT
301	GCATCATTGC	ACAATGGAGG	GGAGCCACCA	GCCTGGGCAA	. CAAGAGGAAA	TCTCCGTCTC
101	. CAAAAAAAAA	AAAAAAAAAA	AAAGAATTAG	GCTGGGTGGT	GCCTGTAGTC	CCAGCTACTT
441	. GGGAGGCAGG	GGGTCCACTT	GATGTCGAGA	CTGCAGTGAG	CCATGATCCT	GCCACTGCAC
5/1	CUCAACATA	GCAACAGAGT	GAGACCCTGT	' CTAAAGAAAA	AAAAAATAAA	GCAACATATC
601	CIGAACAAAG	GATCCTCCAT	AACGTTCCCA	CCAGATTTCT	AATCAGAAAC	ATGGAGGCCA
661	CAAGGGCCTT	CCCCCTACCA	ACCCTCAGGC	AGCCCGGGAG	GATGTTGTCA	CAGGCTGGGG
721	CAMAGCCCII CAMAGCCCCC	CCAGACCCCA	CCAARCECC	CTGGGAACAG	CCCTGTTGCA	AACAAGAAGC GGACAGGAGT
781	GGTCCCATCC	AGGA A ACCTC	CCCCAMCCCM	CIGGGCIGGG	AGCAGCCTCL	GGACAGGAGT
841	ATGTGTGTGT	GACTGGTGTG	TGTGAGAGAG	DDDTDAADDD NOTCOCCC	CTACTTGGTG	CCGGGTCTGT
901	GTGTATGTGT	GAATATTGTC	TTTCTCTCCC	. TC2TTTTCCC	CIAAGIGICA	COMOMOGOMO
961	CAAGTGTGAA	CAAGTGGACA	AGTGTCTGGG	AGTGGACAAG	ACATCTCTCC	ACCAMCACCM
1021	GTGTGCATAG	CGTCTGTGCA	TGTCAAGAGT	GCAAGGTGAA	GTGAAGGGAC	CACCCCCATC
1081	ATGCCACTCA	TCATCAGGAG	CTCTAAGGCC	CCAGGTAAGT	GCCAGTGACA	CAGGCCCAIG
$\perp \perp 4 \perp$	CTGAAGGTCA	CTCTGGAGTG	GGCAGGTGGG	GGTAGGGAAA	GGGCAAGGCC	<u>እ</u> ጥርጥጥርጥርር እ
1201	GGAGGGGTTG	TGACTACATT	AGGGTGTATG	AGCCTAGCTG	GGAGGTGGAT	GGCCGGGTCC
T70T	ACTGAAACCC	TGGTTATCCC	AGAAGGCTTT	GCAGGCTTCA	GGAGCTTGGA	GTGGGGAGAG
1321	GGGGTGACTT	CTCCGACCAG	GCCCCTCCAC	CGGCCTACCC	TGGGTAAGGG	CCTGGAGCAG
1381	GAAGCAGGGG	CAAGAACCTC	TGGAGCAGCC	CATACCCGCC	CTGGCCTGAC	TCTGCCACTG
1441	GCAGCACAGT	CAACACAGCA	GGTTCACTCA	CAGCAGAGGG	CAAAGGCCAT	CATICACCTICC
T20T	CTTTATAAGG	GAAGGGTCAC	GCGCTCGGTG	TGCTGAGAGT	GTCCTGCCTG	GTCCTCTGTG
T20T	CCTGGTGGGG	TGGGGGTGCC	AGGTGTGTCC	AGAGGAGCCC	ATTTGGTAGT	GAGGCAGGTA
1621	TGGGGCTAGA	AGCACTGGTG	CCCCTGGCCG	TGATAGTGGC	CATCTTCCTG	CTCCTGGTGG
1741	ACCTGATGCA	CCGGCGCCAA	CGCTGGGCTG	CACGCTACCC	ACCAGGCCCC	CTGCCACTGC
1001	CCGGGCTGGG	CAACCTGCTG	CATGTGGACT	TCCAGAACAC	ACCATACTGC	TTCGACCAGG
1861	TGAGGGAGGA TGGATGGTGG	GTCCTGGAG	ACCOMPGA ACC	GTGCTGAGGC	TCCCCTACCA	GAAGCAAACA
1921	TGGGGGACGT	CCTGGAGAAG	CCCAMMMANA	AGAAGCCAGG	CTGAGAAGGG	GAAGCAGGTT
1981	CCAAGGAAGA	GTAGGGCAAG	GCCTTGGAGG	TCCACCTCCA	AGGACTGGAT	TTTCCAAAGG
2041	CCCATTGGGC	AACATATGTT	ATGGAGTACA	AAGTCCCTTC	TCCTCACACA	ACAACCAAAG
2101	GCCTTGGGAA	TGGAAGATGA	GTTAGTCCTG	AGTGCCGTTT	A A A TC A CCA A	AGAAGGAAAG
2161	AAGGGGGTGC	AGTGACCCGG	TTCAAACCTT	TTGCACTGTG	GGTCCTCGGG	CCTCACTCCC
2221	TCACCGGCAT	GGACCATCAT	CTGGGAATGG	GATGCTAACT	GGGGCCTCTC	$GGC\Delta\Delta$ Δ $TTTTTC$
2281	GTGACTCTTG	CAAGGTCATA	CCTGGGTGAC	GCATCCAAAC	TGAGTTCCTC	$C\Delta TC\Delta C\Delta C\Delta \Delta \Delta$
2341	GGTGTGACCC	CCACCCCCGC	CCCACGATCA	GGAGGCTGGG	ጥርጥርርጥርርጥጥ	CCACCTCCTC
2401	ACTCCTGGTA	GCCCCGGGGG	TCGTCCAAGG	TTCAAATAGG	ACTAGGACCT	CTACTCTCC
2461	GTGATCCTGG	CTTGACAAGA	GGCCCTGACC	CTCCCTCTGC	AGTTGCGGCG	CCGCTTCGGG
2521	GACGTGTTCA	GCCTGCAGCT	GGCCTGGACG	CCGGTGGTCG	TGCTCAATGG	GCTGGCGGCC
2581	GTGCGCGAGG	CGCTGGTGAC	CCACGGCGAG	GACACCGCCG	ACCGCCCGCC	TGTGCCCATC
2701	ACCCAGATCC	TGGGTTTTCGG	GCCGCGTTCC	CAAGGCAAGC	AGCGGTGGGG	ACAGAGACAG
2761	ATTTCCGTGG	GACCCGGGTG	GGTGATGACC	GTAGTCCGAG	CTGGGCAGAG	AGGGCGCGGG
	GTCGTGGACA GGGAGGTGTG	ACCATCCCCA	CCACCCCCCC	GGACAGCGGG	CCAAGAAACC	ACCTGCACTA
2881	AGACCTGGCA	GGAGCCCAAT	CCCTCACCCCT	CCCCCAMMO	AGTGGGCGGG	GCCACTGCCG
2941	AAGTGGGGGC	GGGGACCGCA	CCTGTGCTGT	AACCTCACTC	TCCCTCCCC	TCCGGTGTCG
3001	GGGTCTTCCC	TGAGTGCAAA	GGCGGTCAGG	GTGGGCAGAG	ACCACCTCCC	CCAAACCCTC
3061	CCCCAGCCAA	GGGAGCAAGG	TGGATGCACA	AAGAGTGGGC	CCTCTCACCA	CCTCCACACACA
3121	GCCAGGGACT	GCGGGAGACC	AGGGGGAGCA	TAGGGTTGGA	CTGCGTGGTG	GATTCCTCCCC
2TRT	CTAATGCCTT	CATGGCCACG	CGCACGTGCC	CGTCCCACCC	CCAGGGGTGT	TCCTCCCCCC
3241	CTATGGGCCC	GCGTGGCGCG	AGCAGAGGCG	CTTCTCCGTG	TCCACCTTGC	$GC\Delta\DeltaCTTCGG$
330T	CCTGGGCAAG	AAGTCGCTGG	AGCAGTGGGT	GACCGAGGAG	GCCGCCTGCC	ጥጥጥርጥርርርር
220T	CTTCGCCAAC	CACTCCGGTG	GGTGATGGGC	AGAAGGGCAC	AAAGCGGGAA	CTCCCAACCC
34ZI	GGGGACGGG	GAAGGCGACC	CCTTACCCGC	ATCTCCCACC	CCCAGGACGC	CCCTTTCCCC
348T	CCAACGGTCT	CTTGGACAAA	GCCGTGAGCA	ACGTGATCGC	$CTCCCTC\DeltaCC$	TRACERECEC
334T	GCTTCGAGTA	CGACGACCCT	CGCTTCCTCA	GGCTGCTGGA	CCTACCTCAC	CACCCACTCA
200T	AGGAGGAGTC	GGGCTTTCTG	CGCGAGGTGC	GGAGCGAGAG	ACCGAGGAGT	CTCTCCACCC
300T	CGAGCTCCCG	AGAGGTGCCG	GGGCTGGACT	GGGGCCTCGG	AAGAGCAGGA	ጥጥጥርርአጥአርአ
3781	TGGGTTTGGG	AAAGGACATT	CCAGGAGACC	CCACTGTAAG	AAGGGCCTGG	AGGAGGAGGG
3841	GACATCTCAG AAGGACTCTG	TACCTCCTATE	CCACCTCA CA	TGCCCGGGTC	AGGGGCACC	AGGAGAGGCC
3901	AAGGACTCTG AGGAGAGAGG	CTCCICCIAT	CCACGTCAGA	GATTTCGATT	TTAGGTTTCT	CCTCTGGGCA
	AGGAGAGAGG	OTODAGGCTG	SUSPIT TONO	AGGGACTTGG	TGAGGTCAGT	GGTAAGGACA

3961 GGCAGGCCCT GGGTCTACCT GGAGATGGCT GGGGCCTGAG ACTTGTCCAG GTGAACGCAG 4021 AGCACAGGAG GGATTGAGAC CCCGTTCTGT CTGGTGTAGG TGCTGAATGC TGTCCCCGTC 4081 CTCCTGCATA TCCCAGCGCT GGCTGGCAAG GTCCTACGCT TCCAAAAGGC TTTCCTGACC 4141 CAGCTGGATG AGCTGCTAAC TGAGCACAGG ATGACCTGGG ACCCAGCCCA GCCCCCCGA 4201 GACCTGACTG AGGCCTTCCT GGCAGAGATG GAGAAGGTGA GAGTGGCTGC CACGGTGGGG 4261 GGCAAGGGTG GTGGGTTGAG CGTCCCAGGA GGAATGAGGG GAGGCTGGGC AAAAGGTTGG 4321 ACCAGTGCAT CACCCGGCGA GCCGCATCTG GGCTGACAGG TGCAGAATTG GAGGTCATTT 4381 GGGGGCTACC CCGTTCTGTC CCGAGTATGC TCTCGGCCCT GCTCAGGCCA AGGGGAACCC 4441 TGAGAGCAGC TTCAATGATG AGAACCTGCG CATAGTGGTG GCTGACCTGT TCTCTGCCGG 4501 GATGGTGACC ACCTCGACCA CGCTGGCCTG GGGCCTCCTG CTCATGATCC TACATCCGGA 4561 TGTGCAGCGT GAGCCCATCT GGGAAACAGT GCAGGGGCCG AGGGAGGAAG GGTACAGGCG 4621 GGGGCCCATG AACTTTGCTG GGACACCCGG GGCTCCAAGC ACAGGCTTGA CCAGGATCCT 4681 GTAAGCCTGA CCTCCTCCAA CATAGGAGGC AAGAAGGAGT GTCAGGGCCG GACCCCCTGG 4741 GTGCTGACCC ATTGTGGGGA CGCATGTCTG TCCAGGCCGT GTCCAACAGG AGATCGACGA 4801 CGTGATAGGG CAGGTGCGGC GACCAGAGAT GGGTGACCAG GCTCACATGC CCTACACCAC 4861 TGCCGTGATT CATGAGGTGC AGCGCTTTGG GGACATCGTC CCCCTGGGTG TGACCCATAT 4921 GACATCCCGT GACATCGAAG TACAGGGCTT CCGCATCCCT AAGGTAGGCC TGGCGCCCTC 4981 CTCACCCCAG CTCAGCACCA GCACCTGGTG ATAGCCCCAG CATGGCTACT GCCAGGTGGG 5041 CCCACTCTAG GAACCCTGGC CACCTAGTCC TCAATGCCAC CACACTGACT GTCCCCACTT 5101 GGGTGGGGG TCCAGAGTAT AGGCAGGGCT GGCCTGTCCA TCCAGAGCCC CCGTCTAGTG 5161 GGGAGACAAA CCAGGACCTG CCAGAATGTT GGAGGACCCA ACGCCTGCAG GGAGAGGGGG 5221 CAGTGTGGGT GCCTCTGAGA GGTGTGACTG CGCCCTGCTG TGGGGTCGGA GAGGGTACTG 5281 TGGAGCTTCT CGGGCGCAGG ACTAGTTGAC AGAGTCCAGC TGTGTGCCAG GCAGTGTGTG 5341 TCCCCCGTGT GTTTGGTGGC AGGGGTCCCA GCATCCTAGA GTCCAGTCCC CACTCTCACC 5401 CTGCATCTCC TGCCCAGGGA ACGACACTCA TCACCAACCT GTCATCGGTG CTGAAGGATG 5461 AGGCCGTCTG GGAGAAGCCC TTCCGCTTCC ACCCCGAACA CTTCCTGGAT GCCCAGGGCC 5521 ACTTTGTGAA GCCGGAGGCC TTCCTGCCTT TCTCAGCAGG TGCCTGTGGG GAGCCCGGCT 5581 CCCTGTCCCC TTCCGTGGAG TCTTGCAGGG GTATCACCCA GGAGCCAGGC TCACTGACGC 5641 CCCTCCCTC CCCACAGGCC GCCGTGCATG CCTCGGGGAG CCCCTGGCCC GCATGGAGCT 5701 CTTCCTCTTC TTCACCTCCC TGCTGCAGCA CTTCAGCTTC TCGGTGCCCA CTGGACAGCC 5761 CCGGCCCAGC CACCATGGTG TCTTTGCTTT CCTGGTGAGC CCATCCCCCT ATGAGCTTTG 5821 TGCTGTGCCC CGCTAGAATG GGGTACCTAG TCCCCAGCCT GCTCCCTAGC CAGAGGCTCT 5881 AATGTACAAT AAAGCAATGT GGTAGTTCCA ACTCGGGTCC CCTGCTCACG CCCTCGTTGG 5941 GATCATCCTC CTCAGGGCAA CCCCACCCT GCCTCATTCC TGCTTACCCC ACCGCCTGGC 6001 CGCATTTGAG ACAGGGGTAC GTTGAGGCTG AGCAGATGTC AGTTACCCTT GCCCATAATC 6061 CCATGTCCCC CACTGACCCA ACTCTGACTG CCCAGATTGG TGACAAGGAC TACATTGTCC 6121 TGGCATGTGG GGAAGGGGCC AGAATGGGCT GACTAGAGGT GTCAGTCAGC CCTGGATGTG 6181 GTGGAGAGGG CAGGACTCAG CCTGGAGGCC CATATTTCAG GCCTAACTCA GCCCACCCCA 6241 CATCAGGGAC AGCAGTCCTG CCAGCACCAT CACAACAGTC ACCTCCCTTC ATATATGACA 6301 CCCCAAAACG GAAGACAAAT CATGGCGTCA GGGAGCTATA TGCCAGGGCT ACCTACCTCC 6361 CAGGGCTCAG TCGGCAGGTG CCAGAACGTT CCCTGGGAAG GCCCCATGGA AGCCCAGGAC 6421 TGAGCCACCA CCCTCAGCCT CGTCACCTCA CCACAGGACT GGCTACCTCT CTGGGCCCTC 6481 AGGGATGCTG CTGTACAGAC CCCTGACCAG TGACGAGTTC GCACTCAGGG CCAGGCTGGC 6541 GCTGGAGGAG GACACTTGTT TGGCTCCAAC CCTAGGTACC ATCCTCCCAG TAGGGATCAG 6601 GCAGGGCCCA CAGGCCTGCC CTAGGGACAG GAGTCAACCT TGGACCCATA AGGCACTGGG 6661 GCGGGCAGAG AAGGAGGAG TGGCATGGGC AGCTGAGAG CAGAGACCCT GACCCTAGTC 6721 CTTGCTCTGC CATTACCCCG TGTGACCCCG GGCCCACCCT TCCCCACCCC TCCCACCCC 6781 GGGCTTCTGT TTCCTTCTGC CAACGAGAAG GCTGCTTCAC CTGCCCCGAG TCCTGTCTTC 6841 CTGCTCTGCC TTCTGGGGCT GTGGCCCTTG CTGGCCTGGA GCCCCAACCA AGGGCAGGGA 6901 CTGCTGTCCT CCACGTCTGT CCTCACCGAC ATAATGGGCT GGGCTGGGCA CACAGGCAGT 6961 GCCCAAGAGT TTCTAATGAG CATATGATTA CCTGAGTCCT GGGCAGACCT TCTTAGGGAA 7021 CAGCCTGGGA CAGAGAACCA CAGACACTCT GAGGAGCCAC CCTGAGGCCT CTTTTGCCAG 7081 AGGACCCTAC AGCCTCCCTG GCAGCAGTTC CGCCAGCATT TCTGTAAATG CCCTCATGCC 7141 AGGGTGCGGC CCGGCTGTCA GCACGAGAGG GACGTTGGTC TGTCCCCTGG CACCGAGTCA 7201 GTCAGAAGGG TGGCCAGGGC CCCCTTGGGC CCCTCCAGAG ACAATCCACT GTGGTCACAC 7261 GGCTCGGTGG CAGGAAGTGC TGTTCCTGCA GCTGTGGGGA CAGGGAGTGT GGATGAAGCC 7321 AGGCTGGGTT TGTCTGAAGA CGGAGGCCCC GAAAGGTGGC AGCCTGGCCT ATAGCAGCAG 7381 CAACTCTTGG ATTTATTGGA AAGATTTTCT TCACGGTTCT GAGTCTTGGG GGTGTTAGAG 7441 GCTCAGAACC AGTCCAGCCA GAGCTCTGTC ATGGGCACGT AGACCCGGTC CCAGGGCCTT 7501 TGCTCTTTGC TGTCCTCAGA GGCCTCTGCA AAGTAGAAAC AGGCAGCCTT GTGAGTCCCC 7561 TCCTGGGAGC AACCAACCCT CCCTCTGAGA TGCCCCGGGG CCAGGTCAGC TGTGGTGAAA 7621 GGTAGGGATG CAGCCAGCTC AGGGAGTGGC CCAGAGTTCC TGCCCACCCA AGGAGGCTCC 7741 GAAGGTGGGA AAGGGCTGGG GTGTCTGTGA CCCTGGCAGT CACTGAGAAG CAGGGTGGAA 7801 GCAGCCCCCT GCAGCACGCT GGGTCAGTGG TCTTACCAGA TGGATACGCA GCAACTTCCT 7861 TTTGAACCTT TTTATTTTCC TGGCAGGAAG AAGAGGGATC CAGCAGTGAG ATCAGGCAGG 7921 TTCTGTGTTG CACAGACAGG GAAACAGGCT CTGTCCACAC AAAGTCGGTG GGGCCAGGAT 7981 GAGGCCCAGT CTGTTCACAC ATGGCTGCTG CCTCTCAGCT CTGCACAGAC GTCCTCGCTC

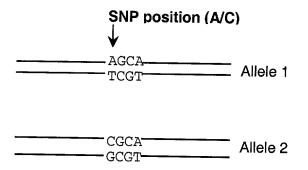
 $\sigma = t_{\rm L} - \tau_{\rm S}$

8041 8163 8223 8281 8341 8461 8523 8641 8763 8821 8941 9061 9121	CCTGCCCTGC AGACGTTCAG AGACGTTCAGCA CTGCTCAGCA CTGGGATAAG GGGGGTCGTG CCTCATCCTC TGAGCTGTGGT AGGGGAGGTGGG CCCGACTGGC CACAGCCGCC TGTAGCATTT CAAGGAGAGC TAATTGGGCT GGTGGATCAC TCTACTAAAA TCAGGAGGCT	GCAGCTTGGC TGCATCCAC TCGAAGCCCC GGAATGGGGC ACGGCAGCCT ACCTGCAGGA CTGTTCTCAC TAACCTTGTG CTGGGTCTAA TTACCTCAGA AGGGGTGACA CCATCCTTTC CCACTCCAGG ATTCATTAGC GAACAGGCTG GGGCAGGGTG CTGAGGTCAG ATACAAAAAA GAGGCAGGAG	CTGCTGGTCT TCTGCAGTGC GGGCTGTCCT TAGGTGCTTC CCTCCTTGGG GGAATAAGAG ACTGGGGTGT AGTTTCCTGG CTGAGCTCTG GGTTGGCTTC CAACCCTGAC CAGGTGCAGT CGGAAGAGGAG CCCCACACTG AGGTGAGAGGAG GCTCACGCCT ATGTTCGAGA TTAGCTGGGC AATTGCTTGA	TGGGGTTGAG TCCATGGCTG TACCTCCCAG CTCCCTGGG GGCAGCAGCA GGCAGACTGG CACAGTCCTG AGGGGGCCTG AAAGGAGAGA TTCCTACTCT ACCCACACTA CCCCCTTACT TGCCAGCCCT GCCTGACCAT TACTGTCAAC GTAATCCCAG CCAGCCTGGC GTGGTGGGAGG ACCTGGGAGG	CCAGCCTCCA CTCAGTTGGA TCTGGGGTAC GACTTCACCT TTCAGTCCTC GCAGAAAGGC GGAAGTTCTT CCACTACCCT GCCCCAGCCC TGACTTTGCG TGAGTGATGA GTGTCTGCCA TACCACCTGA CCTCCCTGTG ACCTAAACCT CACTTTGGGA CAACATGGTG GTGCCTGTAA CAGAGGCTGC	CCCACGCTGG CTGCCACCTC GCTCTCCCTC CAGGTCTCCT CTTCAGAGCA CCTTTTCAGT TGGGACTCC TGGGCCTTCC TCTCTGCAGA GTAGTCCTGC AGGGTGCAG GTGGGCACAG GGCTGCATGA AAAAAATCTA GGCCGAGATG AAACCCCGTC TCCCAGCTAC AGTGAGCCGA
9061	TCTACTAAAA TCAGGAGGCT GATCGCATCA TATAATTGAT TAAAATAAAA	ATACAAAAA	TTAGCTGGGC AATTGCTTGA GCCTGGTCAA AGATAAAACT ACCCACCACC	GTGGTGGTGG	GTGCCTGTAA	TCCCAGCTAC

FIGURE 2

1	GAATTCAAGA	CCAGCCTGGA	CAACTTGGAA	GAACC S GGTC	TCTACAAAAA	ATACAAAATT
61	AGCTGGGATT	GGGTGCGGTG	GCTCATGCCT	ATAATCCCAG	CACTTTGGGA	GCCTGAGGTG
121	GGTGGATCAC	CTGAAGTCAG	GAGTTCAAGA	CTAGCCTGGC	CAACATGGTG	AAACCCTATC
181	TCTACTGAAA	ata y aaaaag	CTAGACGTGG	TGGCACACAC	CTGTAATCCC	AGCTACTTAG
241	GAGGCTGAGG	CAGGAGAATT	GCTTGAAGCC	TAGAGGTGAA	GGTTGTAGTG	AGCCGAGATT
301	GCATCATTGC	ACAATGGAGG	GGAGCCACCA	GCCTGGGCAA	CAAGAGGAAA	TCTCCGTCTC
361		AAAAAAAAA				CCAGCTACTT
421	GGGAGGCAGG	GGGTCCACTT	GATGTCGAGA	CTGCAGTGAG	CCATGATCCT	GCCACTGCAC
481	TCCGGCCTGG	GCAACAGAGT	GAGACCCTGT	CTAAAGAAAA	AAAAAATAAA	GCAACATATC
541	CTGAACAAAG	GATCCTCCAT	AACGTTCCCA	CCAGATTTCT	AATCAGAAAC	ATGGAGGCCA
601	GAAAGCAGTG	GAGGAGGAC R	ACCCTCAGGC	AGCCCGGGAG	GATGTTGTCA	CAGGCTGGGG
661	CAAGGGCCTT	CCGGCTACCA	ACTGGGAGCT	CTGGGAACAG	CCCTGTTGCA	AACAAGAAGC
721	CATAGCCCGG	CCAGAGCCCA	GGAATGTGGG	CTGGGCTGGG	AGCAGCCTCT	GGACAGGAGT
781		AGGAAACCTC				CCGGGTCTGT
841		GACTGGTGTG			CTAAGTGTCA	GTGTGAGTCT
901	GTGTATGTGT	GAATATTGTC	TTTGTGTGGG	TGATTTTCTG	C R T G T G T AA T	CGTGTCCCTG
961	CAAGTGTGAA			AGTGGACAAG		
1021	GTGTGCATAG	CGTCTGTGCA	TGTCAAGAGT	GCAAGGTGAA	GTGAAGGGAC	CAGGCCCATG
1081	ATGCCACTCA	TCATCAGGAG	CTCTAAGGCC	CCAGGTAAGT	GCCAGTGACA	GATAAGGGTG
1141		CTCTGGAGTG				
1201	GGAGGGGTTG	TGACTACATT	AGGGTGTATG	AGCCTAGCTG	GGAGGTGGAT	GGCCRGGTCC
1261	ACTGAAACCC	TGGTTATCCC	AGAAGGCTTT	GCAGGCTTCA	GGAGCTTGGA	GTGGGGAGAG
1321	GGGGTGACTT	CTCCGACCAG	GCCCCTCCAC	CGGCCTACCC	TGGGTAAGGG	CCTGGAGCAG
1381	GAAGCAGGGG	CAAGAACCTC	TGGAGCAGCC	CATACCCGCC	CTGGCCTGAC	TCTGCCACTG
1441	GCAGCACAGT	CAACACAGCA	GGTTCACTCA	CAGCAGAGGG	CAAAGGCCAT	CATCAGCTCC
1501		GAAGGGTCAC		TGCTGAGAGT		GTCCTCTGTG
1561		TGGGGGTGCC				GAGGCAGGTA
1621	TGGGGCTAGA	AGCACTGGTG	CCCCTGGCCG	TGATAGTGGC	CATCTTCCTG	CTCCTGGTGG

FIGURE 3 One Base Sequencing (OBS) Outline



Add Cy5-ddATP + dTTP,dCTP,dGTP + DNA polymerase

